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on 10-30-03.

Suzanne Skinner  
(Typed or printed name of person mailing correspondence)

Suzanne Skinner  
(Signature of person mailing correspondence)

Application Number: **10/686,149** File Date: **October 15, 2003**  
Title: **METHOD AND APPARATUS FOR COMBUSTION OF RESIDUAL CARBON IN FLY ASH**  
Our Reference Number: **C152 1131.1**

Information Disclosure Statement  
Forms PTO-1449  
Copies of Items AS and BX  
Return Postcard



PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: )

**CRAFTON ET AL.**)

Serial No: 10/686,149 )

Filed: October 15, 2003 )

For: **METHOD AND APPARATUS FOR COMBUSTION OF RESIDUAL CARBON IN  
FLY ASH**

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicant hereby voluntarily discloses the reference listed on the attached Form PTO-1449 to the Assistant Commissioner for Patents. References A-AR and AT-BW were cited in a prior application relied upon by the above-identified application for an earlier filing date. The prior application relied upon is Application Serial No. 10/254,747, filed on September 25, 2002. It is specified in 37 CFR 1.98(d) that a "copy of any patent, publication or other information listed in an information disclosure statement is not required to be provided if it was previously cited by or submitted to the Office in a prior application, provided the prior application is properly identified in the statement and relied upon for an earlier filing date under 35 USC 120." Therefore please review the parent case for references A-AR and AT-BW. New references AS and BX are enclosed herewith.

Applicant further reserves the right to establish the patentability of the claimed invention over any of the listed information should they be applied as references, and/or to prove that some of the cited information may not be prior art, and/or to prove that some of the cited information may not be enabling for the teachings they purport to offer. This statement further should not be construed as the representation that an exhaustive search has been made, or that the information cited herewith is material, or that there does not exist information more material to the examination of the present Application. The Examiner is specifically requested not to rely solely on the information submitted herein. On the contrary, the Examiner is requested to conduct an independent and thorough review of the information, and to form independent opinions as to their significance.

It is respectfully requested that the Examiner initial and return copies of the enclosed PTO-1449 and to indicate in the official file wrapper of the above-identified patent application that each item of the cited information has been considered.

Respectfully submitted,

Date: 10/30/03



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Docket No.: **C152 1131.1**



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Form PTO-1449			Attorney Docket No. C152 1131.1	Serial No. 10/686,149
INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>			Applicant Crafton et al.	
			Filing Date October 15, 2003	Group

### U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	A	4,111,158	09/78	Reh et al.	122	4D	
	B	4,270,468	06/81	Robinson et al.	110	245	
	C	4,273,073	06/81	Robinson	122	4D	
	D	4,291,635	09/81	Nelson	110	245	
	E	4,312,702	01/82	Tomlinson, II	162	30R	
	F	4,465,021	08/84	Richter et al.	122	4D	
	G	4,470,254	09/84	Chen et al.	60	39.02	
	H	4,476,790	10/84	Borio et al.	110	245	
	I	4,481,892	11/84	Mah	110	263	
	J	4,584,949	04/86	Brännström	110	346	
	K	4,617,877	10/86	Gamble	122	4D	

### FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	Yes	No
	L	10-122541	05/98	Japan					
	M	9-290234	11/97	Japan					
	N	07180825	07/95	Japan	F23J	1/00			
	O	01304094	12/89	Japan	B09B	3/00			
	P	DE 19729117	01/99	Germany	F23J	15/02			

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	Q	Fluid Bed Combustion – Pages 542-549

\* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	R	4,739,715	04/88	Couarc'h et al.	110	346	
	S	4,775,516	10/88	Kempster et al.	422	80	
	T	4,829,912	05/89	Alliston et al.	110	345	
	U	4,843,981	07/89	Goldbach et al.	110	347	
	V	4,915,039	04/90	Ringel	110	346	
	W	4,961,756	10/90	Rich, Jr.	44	605	
	X	4,981,111	01/91	Bennett et al.	110	347	
	Y	5,044,287	09/91	Furukawa et al.	110	346	
	Z	5,070,821	12/91	Virr	122	7K	
	AA	5,109,201	04/92	Trerice et al.	324	642	
	AB	5,154,732	10/92	Hakulin et al.	48	62R	

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	
	AC	0 227 196	07/87	Europe	C10J	3/54		
	AD	8601942	02/88	Germany	C04B	18/08		
	AE	1577233	10/80	London	C04B	31/10		
	AF	JP9-290234	04/96	Japan	B09B	3/00		
	AG	JP10-122541	10/96	Japan	F23J	1/00		

OTHER DOCUMENTS (*Including Author, Title, Date, Pertinent Pages, etc.*)


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Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AH	5,159,886	11/92	Schaub et al.	110	347	
	AI	5,161,471	11/92	Piekos	110	165R	
	AJ	5,165,795	11/92	Hauffe	314	45	
	AK	5,173,662	12/92	Trerice et al.	324	642	
	AL	5,190,451	03/93	Goldbach	431	5	
	AM	5,299,692	04/94	Nelson et al.	209	2	
	AN	5,344,632	09/94	Tang	423	244.07	
	AO	5,396,849	03/95	Boyd	110	342	
	AP	5,163,374	11/92	Rehmat et al.	110	342	
	AQ	5,399,194	03/95	Cochran et al.	106	405	
	AR	5,443,806	08/95	Isaksson et al.	423	237	

### FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AS	WO 01/33140	05/01	PCT	F23G	5/30		

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	AT	5,471,955	12/95	Dietz	122	4D	
	AU	5,484,476	01/96	Boyd	106	405	
	AV	5,655,463	08/97	Good	110	211	
	AW	5,715,764	02/98	Lyngfelt et al.	110	245	
	AX	5,934,892	08/99	Rabovitser et al.	431	10	
	AY	5,160,539	11/92	Cochran	106	405	
	AZ	5,749,308	05/98	Bachik	110	344	
	BA	5,868,084	02/99	Bachik	110	257	
	BB	5,415,111	05/95	Lewnard et al.	110	222	
	BC	4,934,282	06/90	Asai et al.	110	244	
	BD	4,688,521	08/87	Korenberg	122	4D	

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	BE	5,829,368	11/98	Cote et al.	110	342	
	BF	4,683,840	08/87	Morin	122	4D	
	BG	5,339,774	09/94	Tang	122	4D	
	BH	5,069,171	12/91	Hansen et al.	122	4D	
	BI	5,133,943	07/92	Abdulally	422	145	
	BJ	4,579,070	04/86	Lin et al.	110	345	
	BK	5,425,317	06/95	Schaub et al.	110	346	
	BL	4,051,791	10/77	Wormser	110	28R	
	BM	5,682,828	11/97	Phalen et al.	110	245	
	BN	5,755,838	05/98	Tanaka et al.	48	77	
	BO	5,484,476	01/96	Boyd	106	405	

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	BP	4,374,652	02/83	Zahedi et al.	55	6	
	BQ	4,929,255	05/90	Hakulin et al.	48	197R	
	BR	4,969,930	11/90	Arpalhti	48	197R	
	BS	5,846,313	12/98	Chuang	106	705	
	BT	6,240,859	06/01	Jones, Jr.	110	345	
	BU	5,996,808	12/99	Levy et al.	209	474	
	BV	5,336,317	08/94	Beisswenger et al.	106	745	
	BW	6,202,573	03/01	Bachik	110	165A	
	BX	6,457,425	10/02	Crafton et al.	110	346	

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